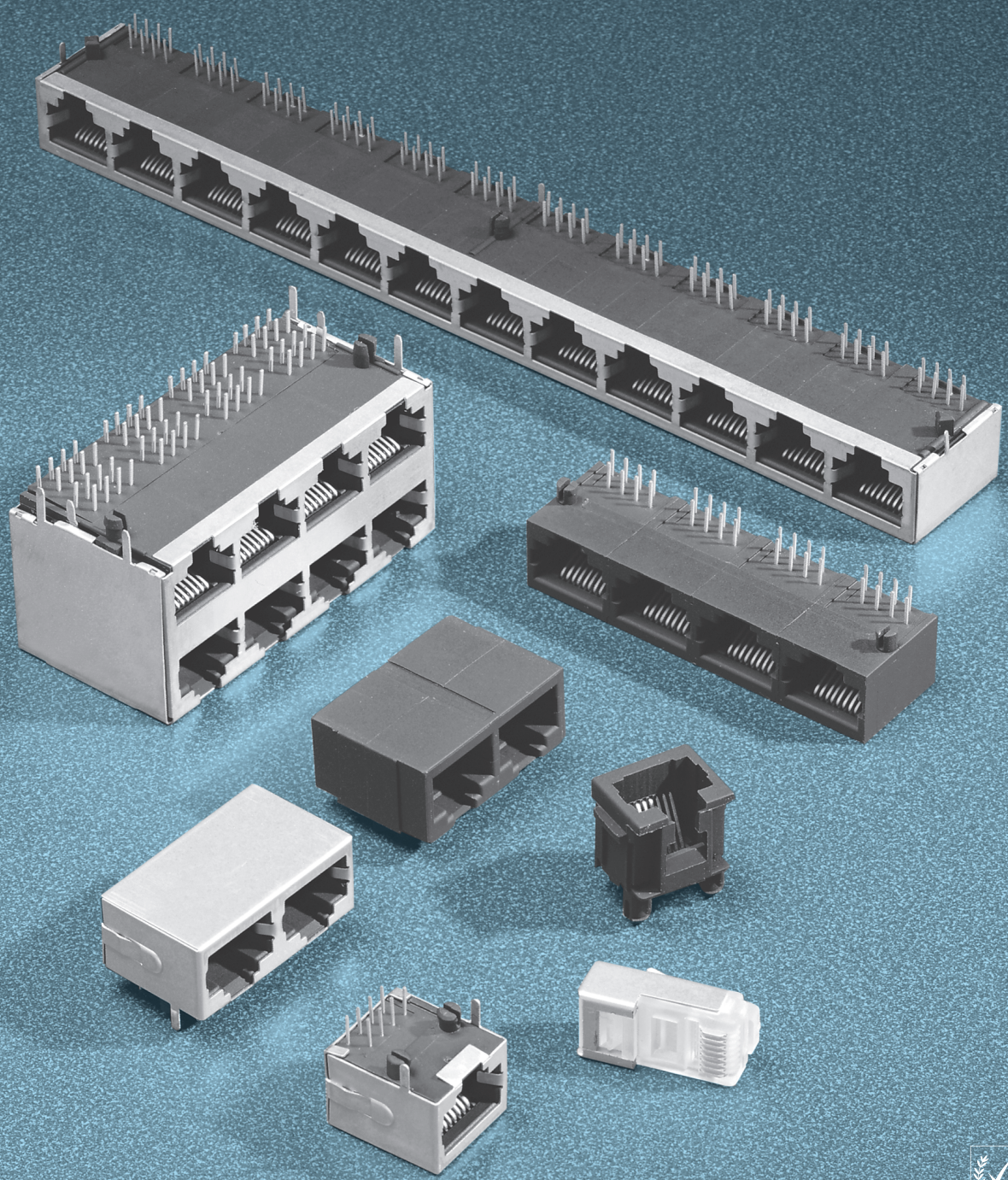
TELEPHONE JACKS & PLUGS



ISO 9002
REGISTERED FIRM

Power Dynamics modular jacks and plugs are designed to meet a wide variety of telecommunication applications. They are available in Category 5, RJ11, RJ25, and RJ45 versions. Features include: shielding, various body styles, multiple ports, LED and 50µ" gold contact plating as standard. All PDI Telephone jacks and plugs carry the and safety approvals.

PDI®
Power Dynamics, Inc.

PHONE JACK ORDERING CODE

PHONE JACKS PJ - 8 P 8 C - 1 S - 40 02 - B 5

NUMBER OF POSITIONS: = 4, = 6, = 8, = 10

NUMBER OF CONTACTS: = 2, = 4, = 6, = 8, = 10

NUMBER OF PORTS: 1 THROUGH 12

OPTIONS: UNSHIELDED = BLANK; SHIELDED = S

BODY STYLE: 01 THROUGH 99 (Add "F" (01F) if body style is flanged)

SHIELD OPTIONS: 01 THROUGH 99

4.57mm FROM GROUND PEG TO PLASTIC PEG (SINGLE PORT)	= 02
3.68mm FROM GROUND TAB TO PLASTIC PEG (SINGLE PORT)	= 03
3.05mm FROM PLASTIC TAB TO GROUND TAB (SINGLE PORT)	= 04
4.57mm FROM GROUND TAB TO PLASTIC PEG, 3 GROUNDING TABS (MULTI-PORT)	= 20
4.57mm FROM GROUND TAB TO PLASTIC PEG, 5 GROUNDING TABS (MULTI-PORT)	= 21
3.68mm FROM GROUND TAB TO PLASTIC PEG, 3 GROUNDING TABS (MULTI-PORT)	= 22
3.68mm FROM GROUND TAB TO PLASTIC PEG, 5 GROUNDING TABS (MULTI-PORT)	= 23
4.57mm FROM GROUND TAB TO PLASTIC PEG, 3 GROUNDING TABS, WITH PANEL GROUND (MULTI-PORT)	= 30
4.57mm FROM GROUND TAB TO PLASTIC PEG, 5 GROUNDING TABS, WITH PANEL GROUND (MULTI-PORT)	= 31
3.68mm FROM GROUND TAB TO PLASTIC PEG, 3 GROUNDING TABS, WITH PANEL GROUND (MULTI-PORT)	= 32
3.68mm FROM GROUND TAB TO PLASTIC PEG, 5 GROUNDING TABS, WITH PANEL GROUND (MULTI-PORT)	= 33
PANEL GROUND TABS ON TOP AND SIDES	= 40
PANEL GROUND TABS ON TOP, SIDES AND BOTTOM	= 41

COLOR:

	BLACK	= B
	GRAY	= G
(FOR COUPLER ONLY):	RED	= R
	BLUE	= L
	YELLOW	= Y
	GREEN	= N
	WHITE	= W
	IVORY	= V

PLATING:

	6µ" OF GOLD	= BLANK
	15µ" OF GOLD	= 2
	30µ" OF GOLD	= 4
(STANDARD)	50µ" OF GOLD	= 5

SPECIFICATIONS

MATERIAL AND FINISH:

Insulator: PBT or ABS glass filled Nylon or Polyester, UL 94V-0 rated.
Contact: Phosphor Bronze, gold over Nickel plated.
Shield: Brass, tin or Nickel plated.

MECHANICAL SPECIFICATIONS:
Operating temperature: 0°C - 70°C

ELECTRICAL SPECIFICATIONS:
Rated Current: 1 - 1.5A
Rated voltage: 125 - 150VAC rms.

Insulator Resistance: 500 - 1000 Megaohms min@ 500VDC
Dielectric Withstanding Voltage: 1000 VAC for one minute
Contact Resistance: 30 - 40 Milliohms max.

RoHS 2002/95/EC COMPLIANT

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EXAMPLE & ORDERING CODE

PHONE PLUGS PHP - 8 P 8 C - S - 4

NUMBER OF POSITIONS:
= 4
= 6
= 8
= 10

NUMBER OF CONTACTS:
= 2
= 4
= 6
= 8
= 10

OPTIONS:
UNSHIELDED = BLANK
SHIELDED = S

PLATING:
6µ" OF GOLD = BLANK
15µ" OF GOLD = 2
30µ" OF GOLD = 4
(STANDARD) 50µ" OF GOLD = 5

SPECIFICATIONS

MATERIAL AND FINISH:

Body: Polcarbonate
Shield: Nickel Plated Phosphor Bronze

Contacts:
Material: Phosphor Bronze
Plating: Gold 50µ"

RoHS 2002/95/EC COMPLIANT

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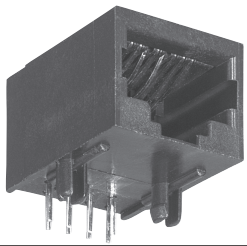
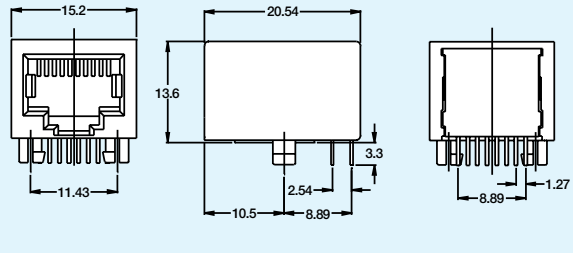
e-mail: sales@powerdynamics.com • www.powerdynamics.com

Category 5

PJ-8P8C-1-50B5

(shown)

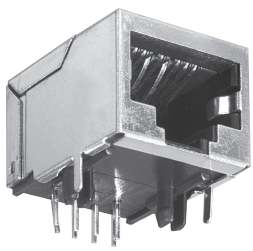


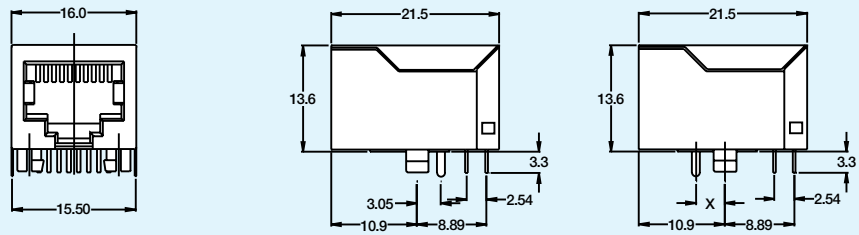


RECOMMENDED
PC BOARD LAYOUT (TOP VIEW)

PJ-8P8C-1S-5003B5

(shown)

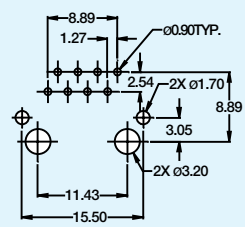




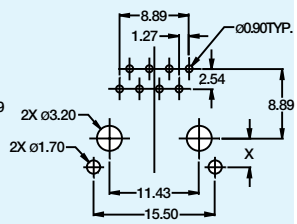
SHIELD OPTION 04

SHIELD OPTION 02 X = 4.57
SHIELD OPTION 03 X = 3.68

Frequency	Near-End Crosstalk, dB	Return Loss, dB	Attenuation, dB
1.0 MHZ	65	23	0.1
4.0 MHZ	65	23	0.1
8.0 MHZ	62	23	0.1
10.0 MHZ	60	23	0.1
16.0 MHZ	56	23	0.2
20.0 MHZ	54	23	0.2
25.0 MHZ	52	14	0.2
31.25 MHZ	50	14	0.2
62.5 MHZ	44	14	0.3
100.0 MHZ	40	14	0.4



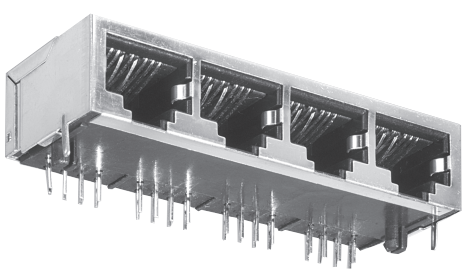
RECOMMENDED
PC BOARD LAYOUT (TOP VIEW)

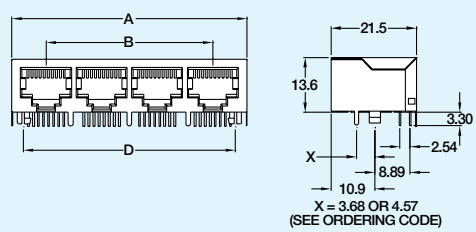


RECOMMENDED
PC BOARD LAYOUT (TOP VIEW)

PJ-8P8C-4S-5021B5

(shown)



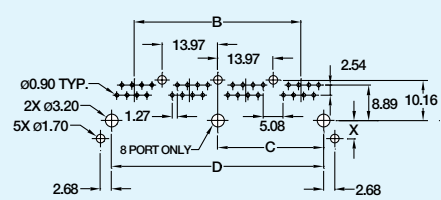


X = 3.68 OR 4.57
(SEE ORDERING CODE)

No. of Positions	Dimensions			
	A	B	C	D
2	31.24	13.97	----	25.40
4	59.18	41.91	----	53.34
6	87.12	69.85	----	81.28
8	115.06	97.79	54.61	109.22

Frequency	Near-End Crosstalk, dB	Return Loss, dB	Attenuation, dB
1.0 MHZ	65	23	0.1
4.0 MHZ	65	23	0.1
8.0 MHZ	62	23	0.1
10.0 MHZ	60	23	0.1
16.0 MHZ	56	23	0.2
20.0 MHZ	54	23	0.2
25.0 MHZ	52	14	0.2
31.25 MHZ	50	14	0.2
62.5 MHZ	44	14	0.3
100.0 MHZ	40	14	0.4

NOTE: SHIELD OPTIONS AVAILABLE-20, 21, 22, 23, 30, 31, 32, 33
ALSO AVAILABLE IN UNSHIELDED VERSION



RECOMMENDED
PC BOARD LAYOUT (TOP VIEW)

Specifications subject to change without notice. Dimensions in mm.

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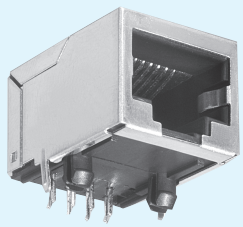
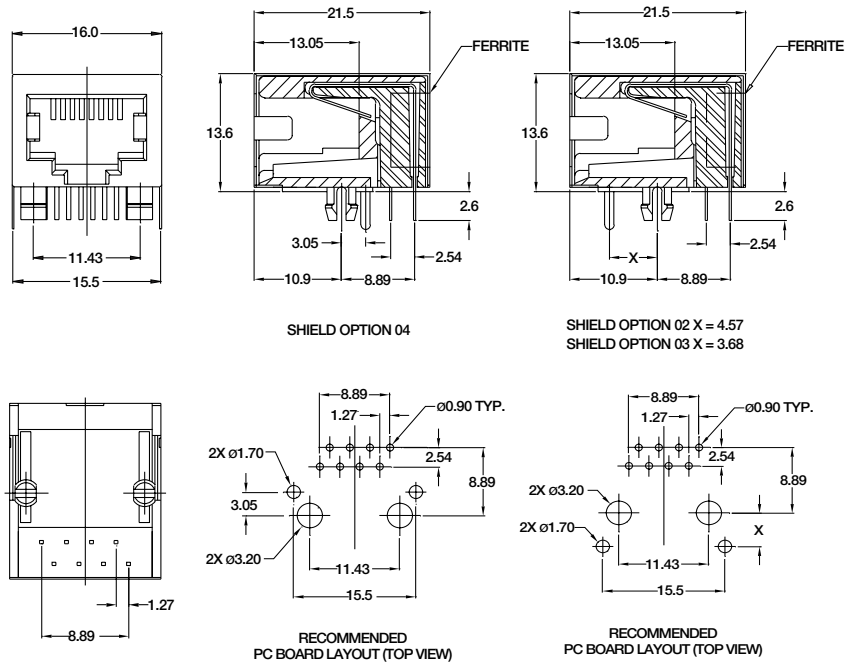
Ferrite Filtered

PJ-8P8C-1S-4004B5

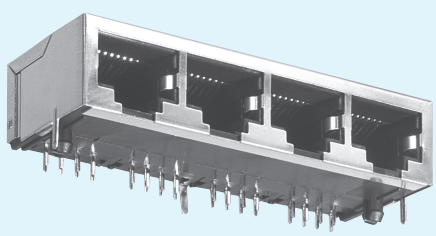
(shown)

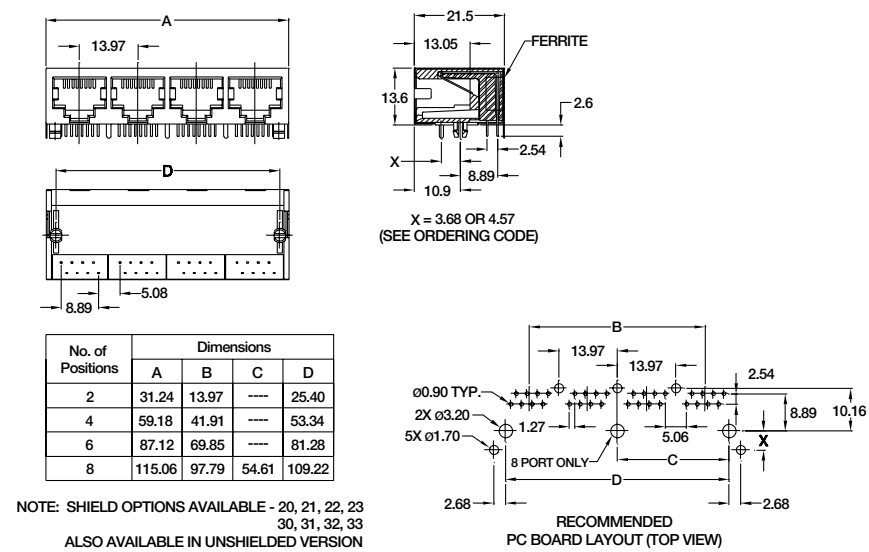




PJ-8P8C-4S-4022B5

(shown)

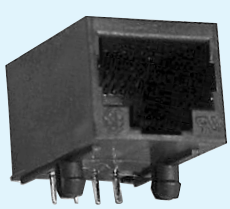


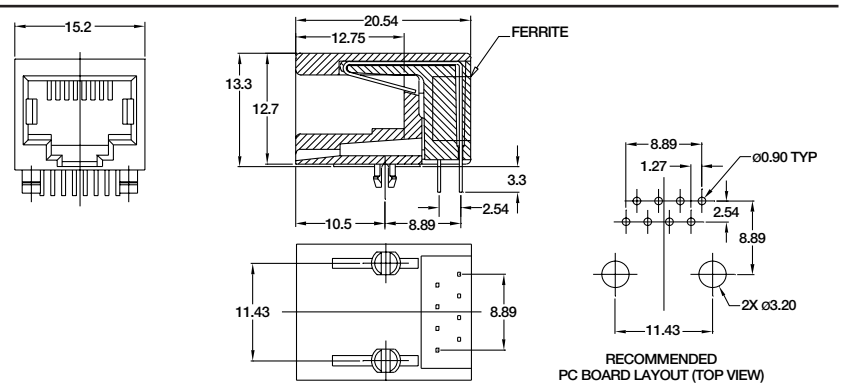


No. of Positions	Dimensions			
	A	B	C	D
2	31.24	13.97	----	25.40
4	59.18	41.91	----	53.34
6	87.12	69.85	----	81.28
8	115.06	97.79	54.61	109.22

NOTE: SHIELD OPTIONS AVAILABLE - 20, 21, 22, 23
30, 31, 32, 33
ALSO AVAILABLE IN UNSHIELDED VERSION

PJ-8P8C-1-40B5





Specifications subject to change without notice. Dimensions in mm.

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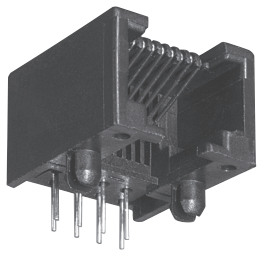
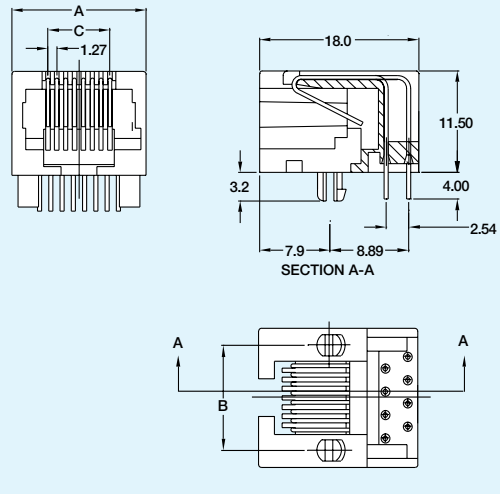
Power Dynamics, Inc.

Right Angle

PJ-8P8C-1-04B5

(shown)

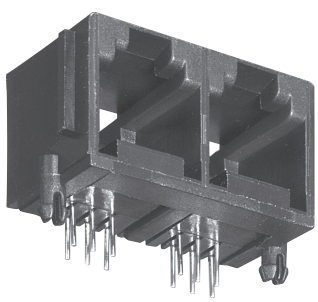


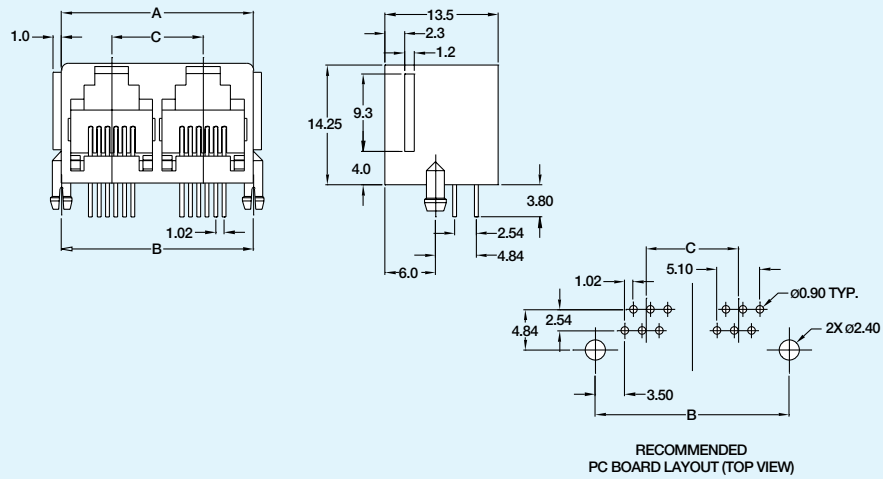


No. of Positions	Dimensions		
	A	B	C
4	11.16	7.62	3.81
6	13.20	10.16	6.35
8	15.15	11.43	8.89

PJ-6P6C-2-06FB5

(shown)

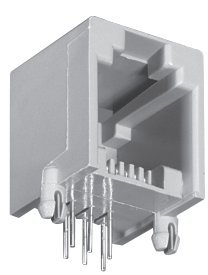


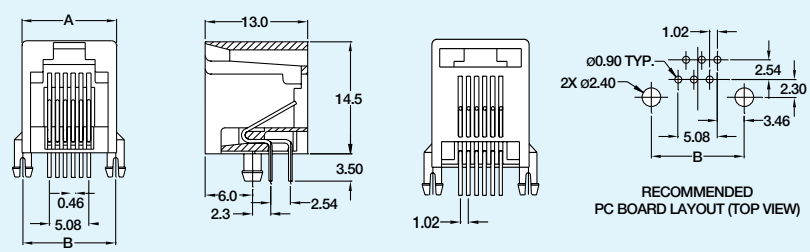


Dimension	No. of Ports										
	2	3	4	5	6	7	8	9	10	11	12
A	23.1	34.1	45.1	56.1	67.1	78.1	89.1	100.1	111.1	122.1	133.1
B	23.1	34.1	45.1	56.1	67.1	78.1	89.1	100.1	111.1	122.1	133.1
C	11.00	22.00	33.00	44.00	55.00	66.00	77.00	88.0	99.0	110.0	121.0

PJ-6P6C-1-05G5

(shown)





No. of Positions	Dimensions	
	A	B
4	10.0	10.00
6	12.2	12.00

Specifications subject to change without notice. Dimensions in mm.

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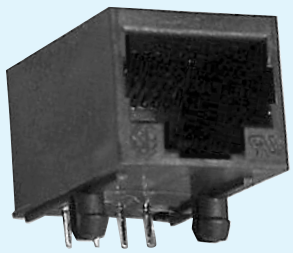
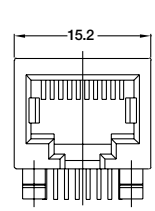
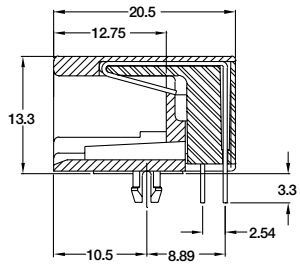
Right Angle

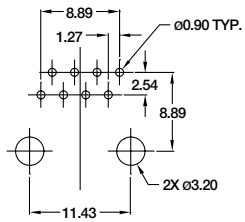
PJ-8P8C-1-03B5

(shown)

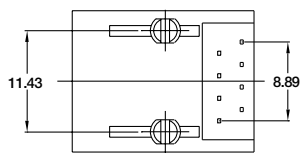








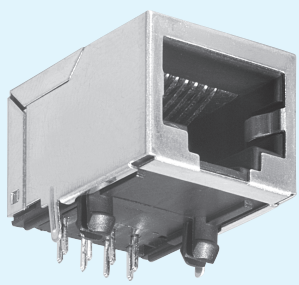
RECOMMENDED
PC BOARD LAYOUT (TOP VIEW)

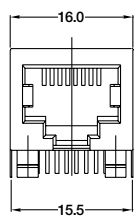


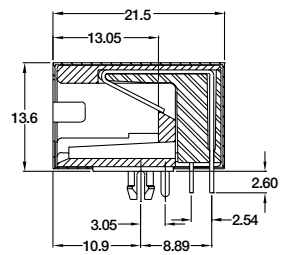
NOTE: ALSO AVAILABLE IN 10P10C

PJ-8P8C-1S-0304B5

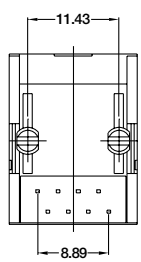
(shown)



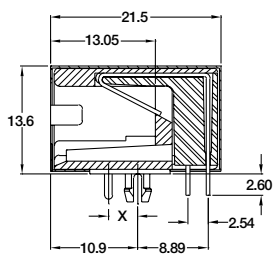




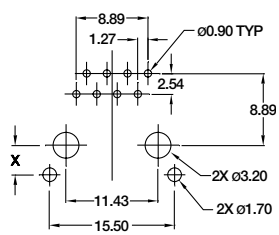
SHIELD OPTION 04



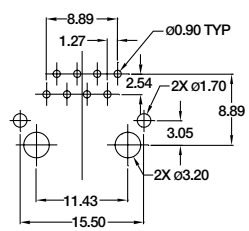
NOTE: AVAILABLE IN 10P10C



SHIELD OPTION 02 X = 4.57
SHIELD OPTION 03 X = 3.68



RECOMMENDED
PC BOARD LAYOUT (TOP VIEW)
SHIELD OPTION 02, 03



RECOMMENDED
PC BOARD LAYOUT (TOP VIEW)
SHIELD OPTION 04

Specifications subject to change without notice. Dimensions in mm.

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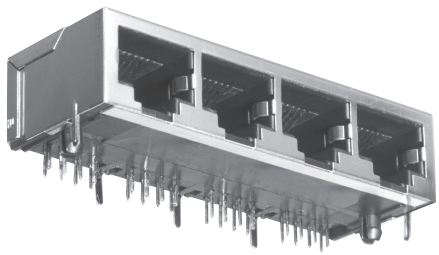
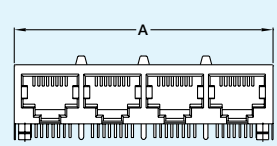
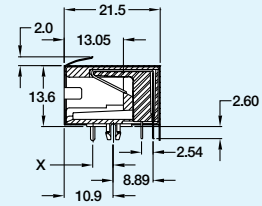
Right Angle

PJ-8P8C-4S-0321B5

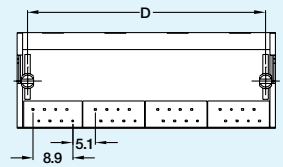
(shown)

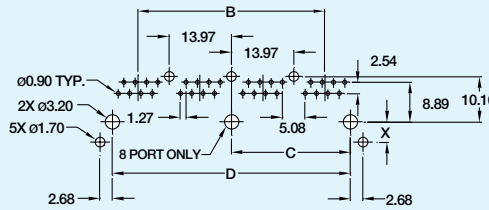






X = 3.68 OR 4.57
(SEE ORDERING CODE)





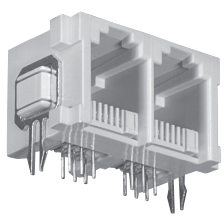
RECOMMENDED
PC BOARD LAYOUT (TOP VIEW)

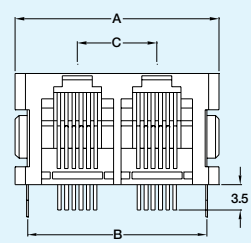
No. of Positions	Dimensions			
	A	B	C	D
2	31.24	13.97	----	25.40
4	59.18	41.91	----	53.34
6	87.12	69.85	----	81.28
8	115.06	97.79	54.61	109.22

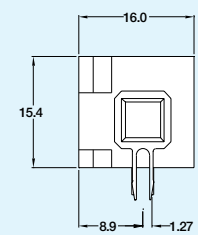
NOTES:
AVAILABLE IN 10P10C
SHIELD OPTIONS AVAILABLE - 20, 21, 22, 23
30, 31, 32, 33

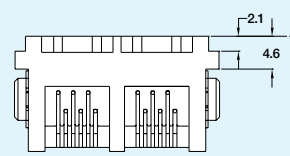
PJ-6P6C-2-07G5

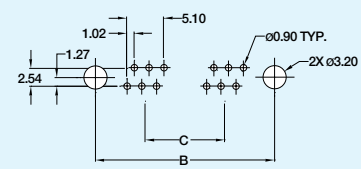
(shown)











RECOMMENDED
PC BOARD LAYOUT (TOP VIEW)

Dimension	No. of Ports						
	2	3	4	5	6	7	8
A	28.20	39.20	50.20	61.20	72.20	83.20	94.20
B	24.80	35.80	46.80	57.80	68.80	79.80	90.80
C	11.00	22.00	33.00	44.00	55.00	66.00	77.00

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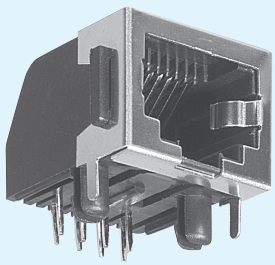
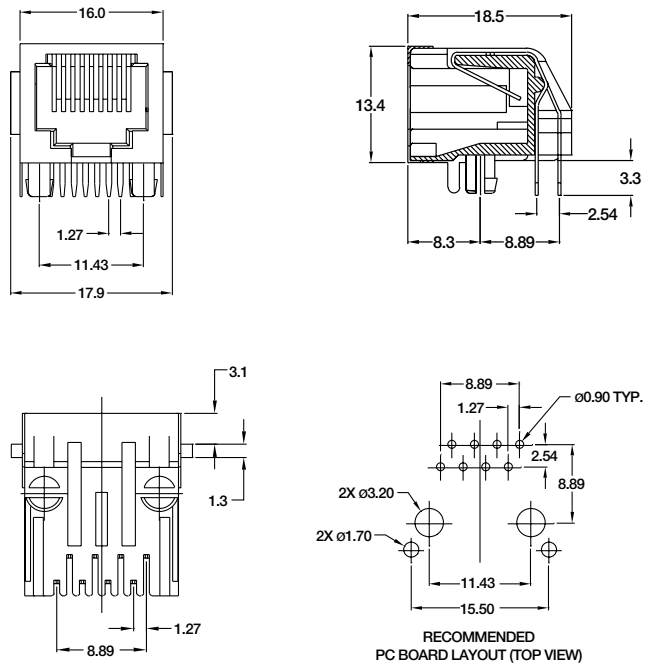
Right Angle

PJ-8P8C-1S-02FB5

(shown)

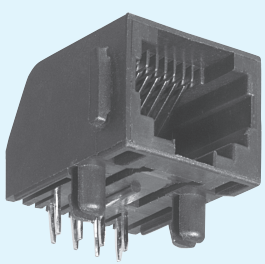


Also available in
6P4C & 6P6C.

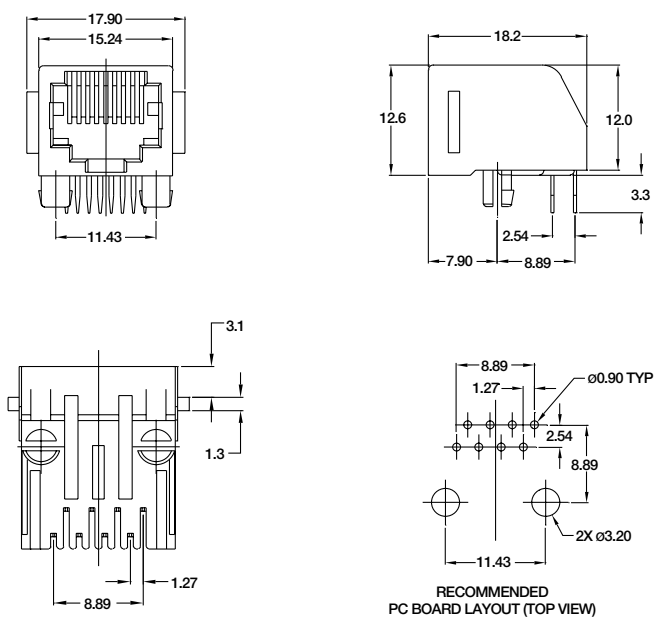


PJ-8P8C-1-02FB5

(shown)



Also available in
6P4C & 6P6C.



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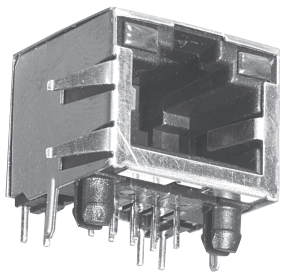
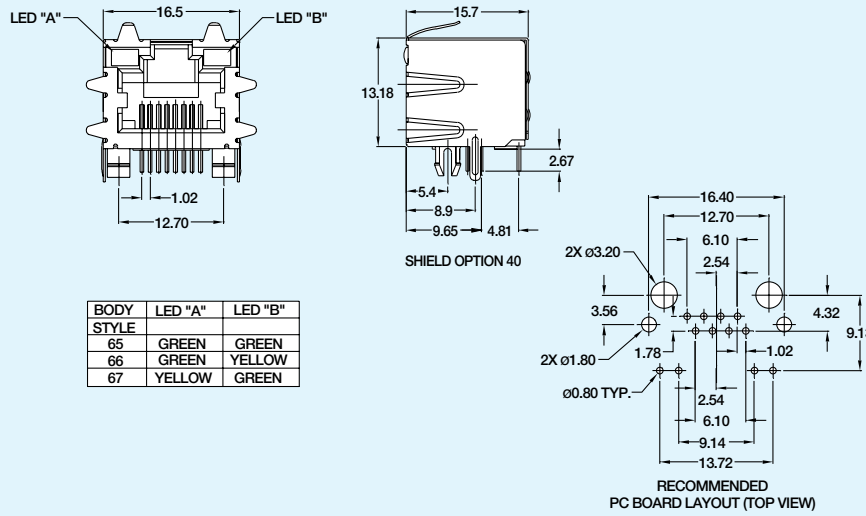
LED

PJ-8P8C-1S-6540B5

(shown)

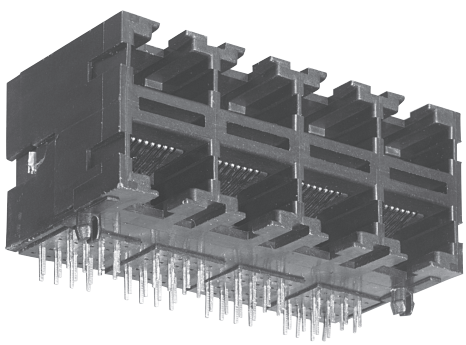


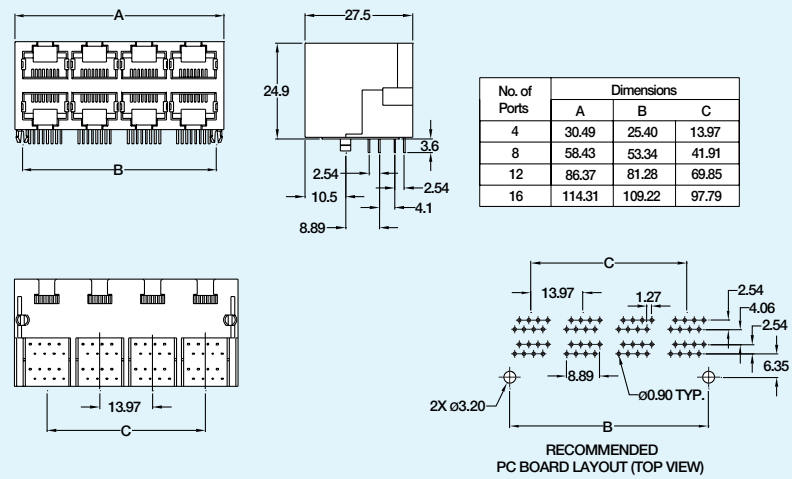


BODY STYLE	LED "A"	LED "B"
65	GREEN	GREEN
66	GREEN	YELLOW
67	YELLOW	GREEN

Stacked

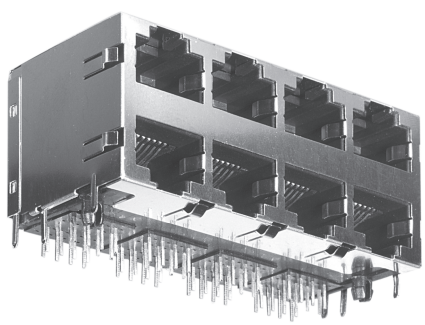
PJ-8P8C-8-60B5

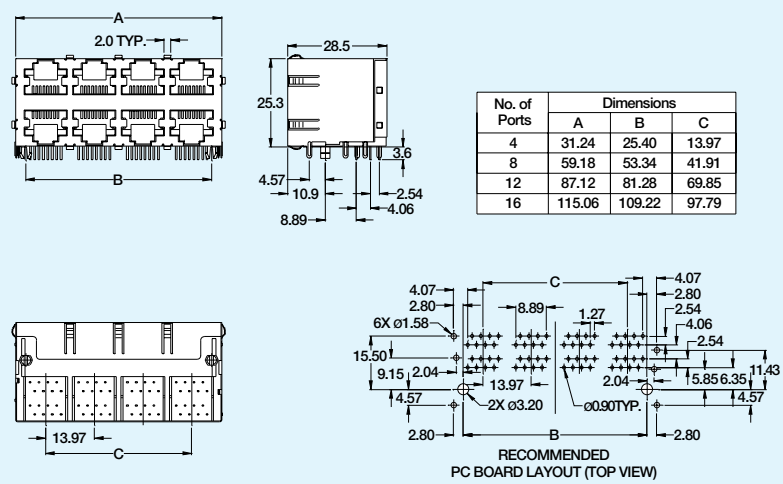




No. of Ports	Dimensions		
	A	B	C
4	30.49	25.40	13.97
8	58.43	53.34	41.91
12	86.37	81.28	69.85
16	114.31	109.22	97.79

PJ-8P8C-8S-6041B5





No. of Ports	Dimensions		
	A	B	C
4	31.24	25.40	13.97
8	59.18	53.34	41.91
12	87.12	81.28	69.85
16	115.06	109.22	97.79

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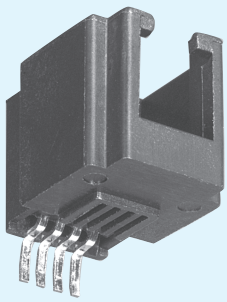
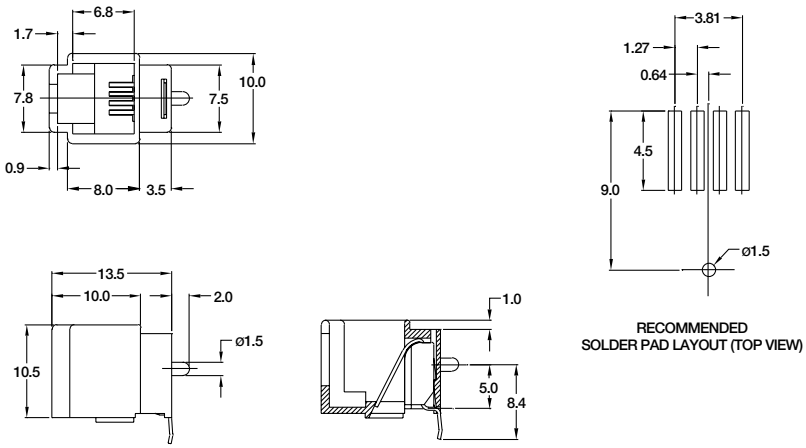
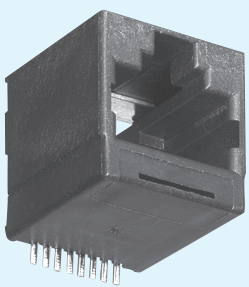
Surface Mount

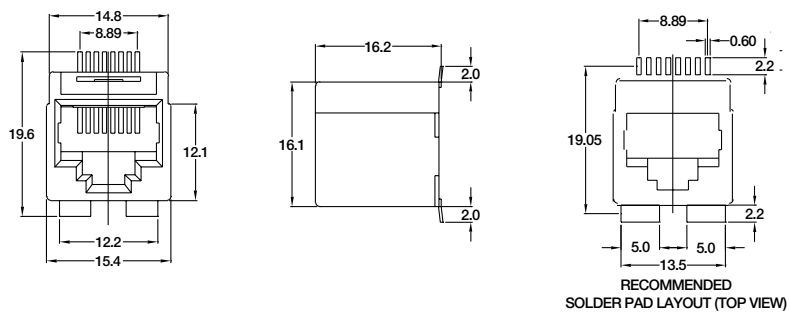
PJ-4P4C-1-32B5





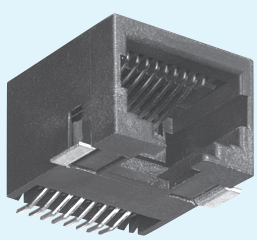
PJ-8P8C-1-31B5

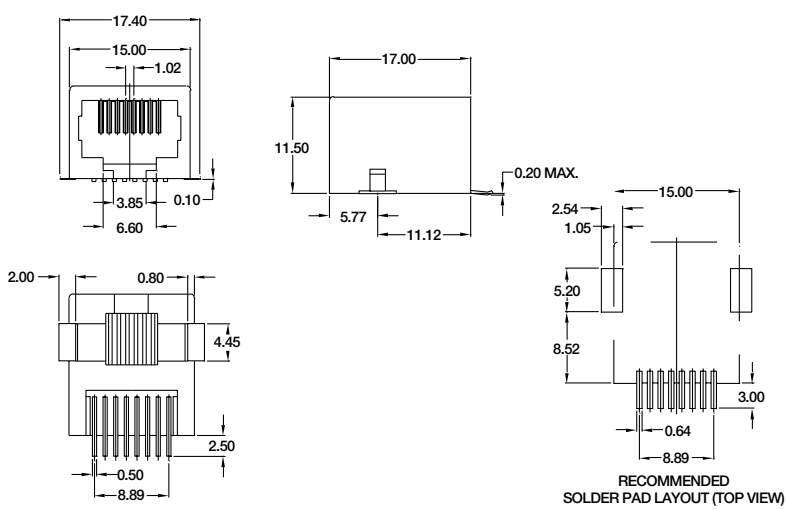




PJ-8P8C-1-30B5

(shown)





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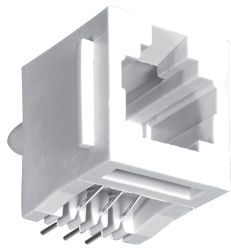
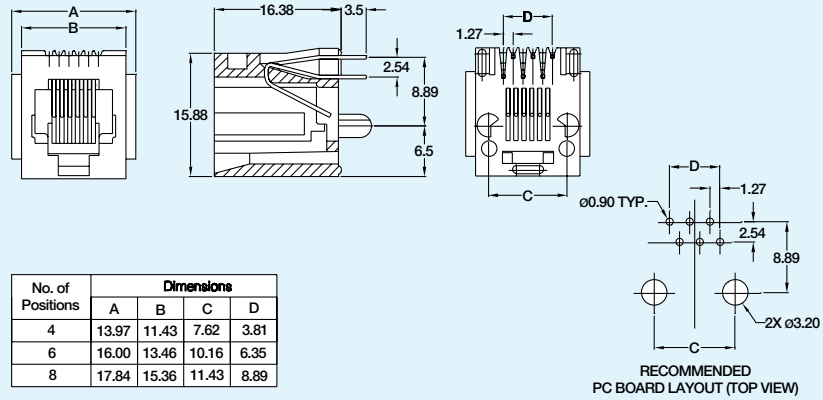
Vertical

PJ-8P8C-1-71FG5

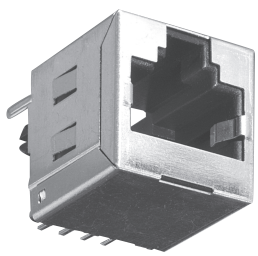


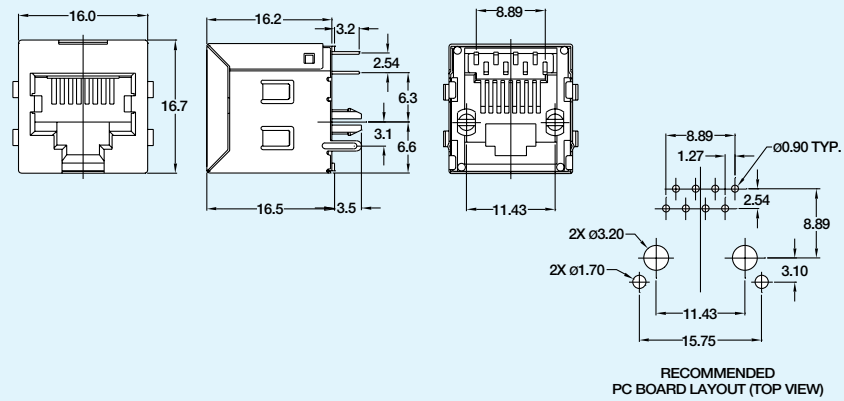


No. of Positions	Dimensions			
	A	B	C	D
4	13.97	11.43	7.62	3.81
6	16.00	13.46	10.16	6.35
8	17.84	15.36	11.43	8.89

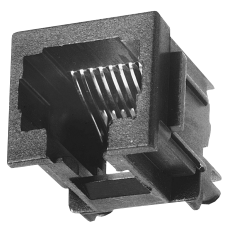
PJ-8P8C-1S-72B5

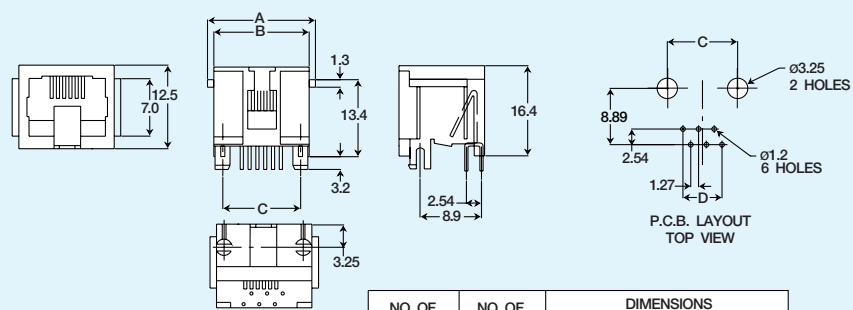
(shown)





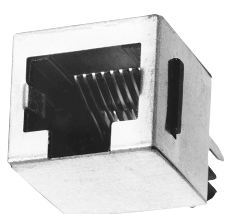
PJ-8P8C-1-70FB5

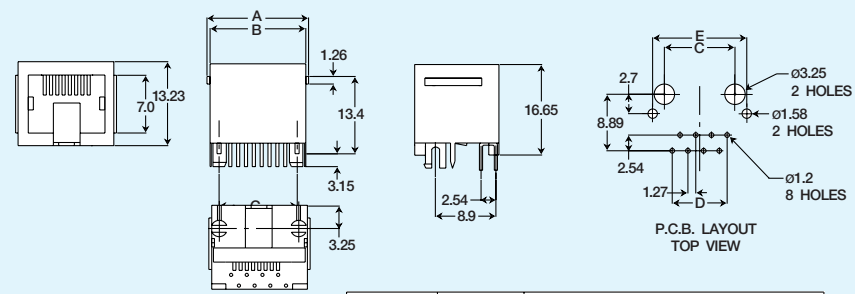




NO. OF CONTACTS	NO. OF POSITIONS	DIMENSIONS			
		A	B	C	D
6	6	16.60	13.50	10.16	6.35
8	8	18.00	15.40	11.43	8.89

PJ-8P8C-1S-70FB5





NO. OF CONTACTS	NO. OF POSITIONS	DIMENSIONS				
		A	B	C	D	E
8	8	18.00	15.90	11.43	8.89	15.65

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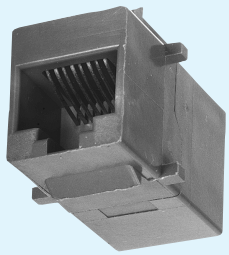
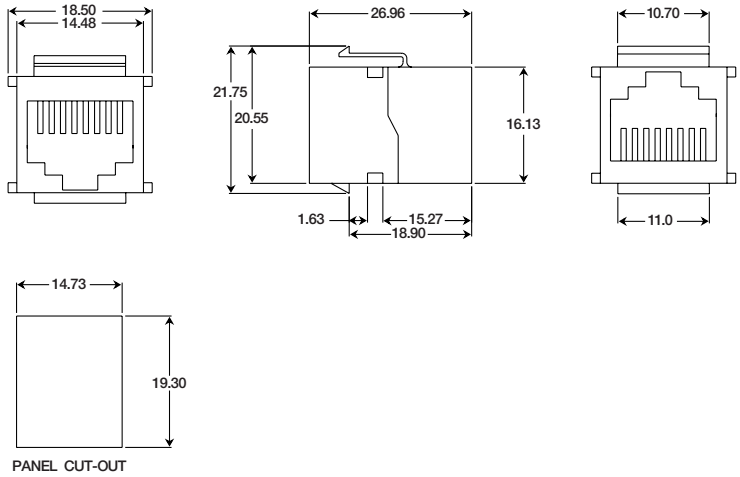
Coupler

PJ-8P8C-1-90B5

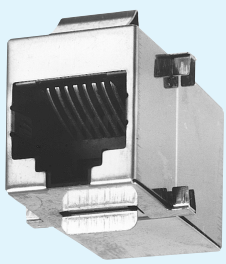
(shown)

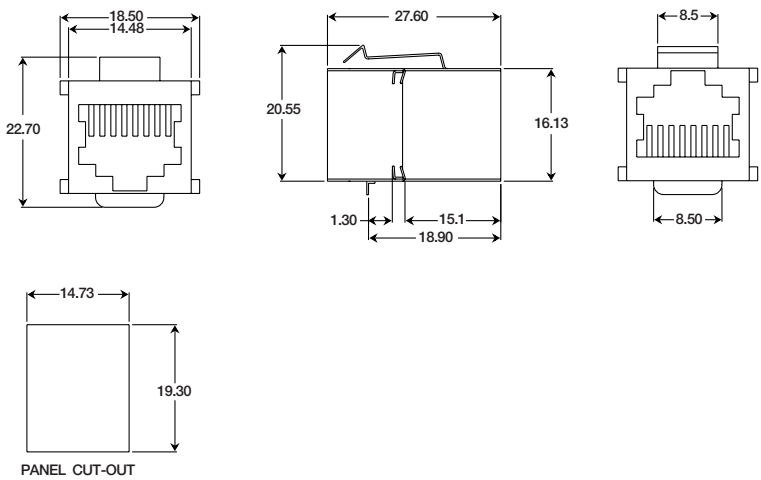




PJ-8P8C-1S-90B5

(shown)





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